

ABSTRACT OF THE DISCLOSURE

5 A system and method for generating a testbench for a representation of a device  
to be incorporated in a data processing apparatus is provided. The representation of the  
device is configurable based on configuration data specifying predetermined attributes of  
one or more components of the data processing apparatus with which that device is to be  
coupled, and the testbench provides a test environment that represents those one or more  
components. The method comprises the steps of receiving the configuration data used to  
10 configure the representation of the device, and generating the testbench with reference to  
the configuration data and a first set of templates defining the test environment. By this  
approach, a matching testbench can automatically be generated for any particular  
instantiation of the configurable representation of the device to enable thorough  
verification testing of that instantiation of the device to be performed.

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